Claims

Having thus defined my invention, the embodiment of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. An improvement in a system to control moisture in an exterior load bearing wall construction having a plurality of stud members connected to lower plate and upper plate hollow and perforated headers, interior and exterior wall portions and in the stud spaces thus defined, moisture/humidity probes are installed such that if the moisture in the framing members or the humidity of the air in the stud space exceeds predetermined values, a moisture/humidity control mechanism actuates a fan that draws regulated interior air from the living space, forces it into the lower headers, the stud spaces and the upper headers and exhausts it to the exterior by means of exhaust ports connected to the upper headers through the exterior wall portion and continues to operate until such time as the predetermined values are reached and upon reaching same, the mechanism then shuts off the fan.

2. An improvement in a system to control moisture in an exterior load bearing wall construction having a plurality of stud members and plates connected to lower plate and upper plate hollow headers installed externally to the wall construction, interior and exterior wall portions and in the stud spaces thus defined, moisture/humidity probes are installed such that if the moisture in the framing members or the humidity of the air in the stud space exceeds predetermined values, a moisture/humidity control mechanism actuates a fan that draws regulated interior air from the living space, forces it into the lower headers, the stud spaces and the upper headers and exhausts it to the exterior by means of exhaust ports connected to the upper headers through the exterior wall portion and continues to operate until such time as the predetermined values are reached and upon reaching same, the mechanism then shuts off the fan.

3. The system of claim 1 or claim 2 wherein insulation is installed in the stud spaces.

4. The system of claim 1 or claim 2 wherein insulation and insulation spacers are installed in the stud spaces.

5. The system of claim 1 or claim 2 or claim 3 or claim 4 wherein the moisture/humidity control mechanism contains a manual override means to enable manual operation independent of the probes.